

From: Portner, Ginny
Sent: Wednesday, November 05, 2003 2:52 PM
To: STIC-ILL
Subject: 09/488,737
Importance: High


0009262120 BIOSIS NO.: 199497283405
Three tuf-like genes in the kirromycin producer *Streptomyces ramocissimus*
AUTHOR: Vijgenboom E (Reprint); Woudt L P; Heinstra P W H; Rietveld K; Van
Haarlem J; Van Wezel G P; Shochat S; Bosch L
AUTHOR ADDRESS: Dep. Biochem., Leiden Univ., Gorlaeus Lab., PO Box 9402,
2300 RA Leiden, Netherlands**Netherlands
JOURNAL: Microbiology (Reading) 140 (4): p983-998 1994 1994
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

05220152 Genuine Article#: VH925 Number of References: 46
Title: IDENTIFICATION OF AN EF-TU PROTEIN THAT IS PERIPLASM-ASSOCIATED AND
PROCESSED IN NEISSERIA-GONORRHOEAE
le: ELONGATION FACTOR-TU IS METHYLATED IN RESPONSE TO NUTRIENT
DEPRIVATION IN ESCHERICHIA-COLI
Author(s): YOUNG CC; BERNLOHR RW
Corporate Source: PENN STATE UNIV, DEPT MOLEC & CELL BIOL/UNIVERSITY
PK//PA/16802; PENN STATE UNIV, DEPT MOLEC & CELL BIOL/UNIVERSITY
PK//PA/16802
Journal: JOURNAL OF BACTERIOLOGY, 1991, V173, N10, P3096-3100
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences
Journal Subject Category: MICROBIOLOGY

11456023 PASCAL No.: 94-0290825
Cloning, sequencing, and expression in *Escherichia coli* of the gene
encoding a 45-kilodalton protein, elongation factor Tu, from *Chlamydia*
trachomatis serovar F
YOU-XUN ZHANG; YAN SHI; MIN ZHOU; PETSKE G A
Boston univ. school medicine, Boston City hosp., Maxwell Finland lab.
infectious diseases, Boston MA 02118, USA
Journal: Journal of bacteriology, 1994, 176 (4) 1184-1187
ISSN: 0021-9193 CODEN: JOBAAY Availability: INIST-2041;
354000025490960310
No. of Refs.: 22 ref.
Document Type: P (Serial) ; A (Analytic)
Country of Publication: USA
Language: English

05913012 PASCAL No.: 85-0098066
A competitive solid-phase radioimmunoassay for translational factors
employing monoclonal antibodies
HUTCHINSON J S; FEINBERG B; MOLDAVE K
Univ. California, coll. medicine, Irvine CA 92717, USA
Journal: Journal of immunological Methods, 1984, 73 (2) 337-345
ISSN: 0022-1759 Availability: CNRS-15654
No. of Refs.: 13 ref.
Document Type: P (Serial) ; A (Analytic)
Country of Publication: Netherlands
Language: English

09164041 PASCAL No.: 90-0332421
Immunochemical cross-reactivities of protein synthesis elongation factors
(EF-Tu and EF-1 alpha proteins) support the phylogenetic coherence of
archaeobacteria
TIBONI O; SANAGELANTONI A M; DI PASQUALE G; CAMMARANO P

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Welcome to the SIB BLAST Network Service

If results of this search are reported or published, please mention that the computation was performed at the SIB using the BLAST network service. The SIB BLAST network service uses a server developed at SIB and the NCBI BLAST 2 software. It is implemented on hardware provided by HP.

In case of problems, please contact us.

NCBI BLAST program reference [PMID:9254694]:

Altschul S.F., Madden T.L., Schäffer A.A., Zhang J., Zhang Z., Miller W., Lipman D.J. Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. Nucleic Acids Res. 25:3389-3402 (1997).

=====

Query length: 399 AA (of which 5% low-complexity regions filtered out)
 Date run: 2003-11-05 13:47:07 UTC+0100 on sib-blast.unil.ch
 Program: NCBI BLASTP 2.2.5 [Nov-16-2002]
 Database: XXtremblnew; XXtrembl; XXswissprot
 1,302,277 sequences; 418,537,104 total letters
 Swiss-Prot Release 42.1 of 24-Oct-2003
 TrEMBL Release 25.1 of 24-Oct-2003
 TrEMBL_new of 24-Oct-2003

Taxonomic view	NiceBlast view	Printable view
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List of potentially matching sequences

Send selected sequences to ▼

☐ Include query sequence

Db	AC	Description	Score	E-value
<input type="checkbox"/>	sp Q9ZK19	EFTU_HELPJ Elongation factor Tu (EF-Tu) [TUF] [Helicob...	743	0.0
<input type="checkbox"/>	sp P56003	EFTU_HELPY Elongation factor Tu (EF-Tu) [TUF] [Helicob...	728	0.0
<input type="checkbox"/>	tr Q7VJ74	Translation elongation factor EF-Tu (EC 3.6.1.48) [TUF...	680	0.0
<input type="checkbox"/>	sp P42482	EFTU_WOLSU Elongation factor Tu (EF-Tu) [TUF] [Wolinel...	667	0.0
<input type="checkbox"/>	sp O69303	EFTU_CAMJE Elongation factor Tu (EF-Tu) [TUF] [Campylo...	637	0.0
<input type="checkbox"/>	sp Q9JRI5	EFTU_NEIMA Elongation factor Tu (EF-Tu) [TUFA] [Neisse...	578	e-164
<input type="checkbox"/>	tr Q839G8	Translation elongation factor Tu [TUF] [Enterococcus f...	575	e-163
<input type="checkbox"/>	sp Q8XGZ0	EFTU_RALSO Elongation factor Tu (EF-Tu) [TUFA] [Ralsto...	573	e-162
<input type="checkbox"/>	tn AAQ61860	Translation elongation factor Tu (EC 3.6.1.48) [tufB...	573	e-162

<input type="checkbox"/>	tn	AAQ61848	Translation elongation factor Tu (EC 3.6.1.48) [tufA...	573	e-162
<input type="checkbox"/>	sp	Q50306	EFTU_BACST Elongation factor Tu (EF-Tu) [TUF] [Bacillu...	571	e-162
<input type="checkbox"/>	sp	Q8R7T8	EFT2_THETN Elongation factor Tu-B (EF-Tu-B) [TUFB] [Th...	568	e-161
<input type="checkbox"/>	sp	Q8R603	EFTU_FUSNN Elongation factor Tu (EF-Tu) [TUF] [Fusobac...	568	e-161
<input type="checkbox"/>	sp	P42481	EFTU_THICU Elongation factor Tu (EF-Tu) [TUF] [Thiobac...	567	e-161
<input type="checkbox"/>	sp	P48864	EFTU_NEIGO Elongation factor Tu (EF-Tu) [TUF] [Neisser...	567	e-161
<input type="checkbox"/>	sp	Q8R7V2	EFT1_THETN Elongation factor Tu-A (EF-Tu-A) [TUFA] [Th...	567	e-161
<input type="checkbox"/>	tr	Q83ES6	Translation elongation factor Tu [TUF-2] [Coxiella bur...	567	e-161
<input type="checkbox"/>	tn	EAA25023	Protein Translation Elongation Factor Tu (EF-TU) [FN...	567	e-161
<input type="checkbox"/>	tr	Q7TTF9	Elongation factor tu, EF-Tu [TUFA] [Haemophilus ducreyi]	567	e-160
<input type="checkbox"/>	sp	Q99QM0	EFTU_CAUCR Elongation factor Tu (EF-Tu) [TUFA] [Caulob...	566	e-160
<input type="checkbox"/>	sp	Q8Y422	EFTU_LISMO Elongation factor Tu (EF-Tu) [TUF] [Listeri...	566	e-160
<input type="checkbox"/>	sp	Q927I6	EFTU_LISIN Elongation factor Tu (EF-Tu) [TUF] [Listeri...	566	e-160
<input type="checkbox"/>	tr	Q81ZS3	GTPases-translation elongation factors and sulfate ade...	565	e-160
<input type="checkbox"/>	sp	P57939	EFT1_PASMU Elongation factor Tu-A (EF-Tu-A) [TUFA] [Pa...	565	e-160
<input type="checkbox"/>	tr	Q8L160	Elongation factor Tu [TUFA] [Myxococcus xanthus]	565	e-160
<input type="checkbox"/>	tr	Q8ETY4	Elongation factor EF-Tu [TUFA] [Oceanobacillus iheyensis]	564	e-160
<input type="checkbox"/>	tr	Q7TT91	Elongation factor Tu [TUF] [Bordetella pertussis]	563	e-159
<input type="checkbox"/>	tr	Q7TT92	Elongation factor Tu [TUF] [Bordetella parapertussis]	563	e-159
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<input type="checkbox"/>	tr	Q8EK70	Translation elongation factor Tu [TUFA] [Shewanella on...	563	e-159
<input type="checkbox"/>	sp	P43926	EFTU_HAEIN Elongation factor Tu (EF-Tu) [TUFA] [Haemop...	562	e-159
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<input type="checkbox"/>	sp	Q8NL22	EFTU_XANAC Elongation factor Tu (EF-Tu) [TUFA] [Xantho...	560	e-158
<input type="checkbox"/>	sp	P33166	EFTU_BACSU Elongation factor Tu (EF-Tu) (P-40) [TUF] [...]	560	e-158
<input type="checkbox"/>	sp	Q99W61	EFTU_STAAM Elongation factor Tu (EF-Tu) [TUF] [Staphyl...	559	e-158
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<input type="checkbox"/>	tr	Q9F9S8	Eftu [EFTU] [EDTA-degrading bacterium BNC1]	557	e-157
<input type="checkbox"/>	sp	P26184	EFTU_FLESI Elongation factor Tu (EF-Tu) [TUF] [Flexist...	556	e-157
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<input type="checkbox"/>	sp	Q31298	EFTU_BUCAP Elongation factor Tu (EF-Tu) [TUF] [Buchner...	555	e-157
<input type="checkbox"/>	sp	Q925Y6	EFTU_RHIME Elongation factor Tu (EF-Tu) [TUFA] [Rhizob...	554	e-157
<input type="checkbox"/>	tn	CAE17102	Elongation factor Tu (EF-Tu) [tufA] [Photorhabdus lu...	554	e-157
<input type="checkbox"/>	sp	P18668	EFTU_SYNP6 Elongation factor Tu (EF-Tu) [TUF] [Synecho...	554	e-156
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<input type="checkbox"/>	sp	P33165	EFTU_BACFR Elongation factor Tu (EF-Tu) [TUF] [Bactero...	553	e-156
<input type="checkbox"/>	sp	P33171	EFTU_SYNP7 Elongation factor Tu (EF-Tu) [TUF] [Synecho...	553	e-156
<input type="checkbox"/>	sp	Q8ZAN8	EFT2_YERPE Elongation factor Tu-B (EF-Tu-B) [TUFB] [Ye...	553	e-156
<input type="checkbox"/>	tr	Q89J82	Elongation factor TU [TUF] [Bradyrhizobium japonicum]	552	e-156
<input type="checkbox"/>	tr	Q8KHX9	Elongation factor TU [TUFB] [Bartonella henselae (Roch...	552	e-156
<input type="checkbox"/>	tn	CAE12727	Translation elongation factor EF-Tu.B [tufB] [Photor...	552	e-156
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CLUSTAL FORMAT for T-COFFEE Version_1.37, CPU=0.00 sec, SCORE=20400, Nseq=2, Len=399

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unk|VIRT8691|Blast_submission    MAKEKFNRTNPHVNI GTIGHVYHGKTTLSAAISAVLSLKGLAEMKDYDNIDNAPQ
sp|Q9ZK19|EFTU_HELPJ            MAKEKFNRTNPHVNI GTIGHVYHGKTTLSAAISAVLSLKGLAEMKDYDNIDNAPQ
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unk|VIRT8691|Blast_submission    ITIATSHIEYETETRHYAHVDCPGHADYVKNMITGAAQMDGAILVVSADGPMPO
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unk|VIRT8691|Blast_submission    LLSRQVGVP HIVVFLNKQDMVDDQELLELVEME VRELLSAYEFPGDDTPIVAGSA
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sp|Q9ZK19|EFTU_HELPJ            VVKVGDEVEIVGIRATQKTTVTGVMFRKELEKGEAGDNVGVLLRGTKKEEVERG
*****

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*****

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*****
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NCBI BLAST program reference [PMID:9254694]:

Altschul S.F., Madden T.L., Schäffer A.A., Zhang J., Zhang Z., Miller W., Lipman D.J. Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. Nucleic Acids Res. 25:3389-3402(1997).

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Query length: 22 AA

Date run: 2003-11-05 13:51:17 UTC+0100 on sib-blast.unil.ch

Program: NCBI BLASTP 2.2.5 [Nov-16-2002]

Database: XXtremblnew; XXtrembl; XXswissprot

1,302,277 sequences; 418,537,104 total letters

Swiss-Prot Release 42.1 of 24-Oct-2003

TrEMBL Release 25.1 of 24-Oct-2003

TrEMBL_new of 24-Oct-2003

Taxonomic view	NiceBlast view	Printable view
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List of potentially matching sequences

Send selected sequences to ▼

☐ Include query sequence

Db AC	Description	Score	E-value
<input type="checkbox"/> sp P56003	EFTU_HELPY Elongation factor Tu (EF-Tu) [TUF] [Helicob...	72	8e-13
<input type="checkbox"/> sp Q97EH5	EFTU_CLOAB Elongation factor Tu (EF-Tu) [TUF] [Clostri...	68	2e-11
<input type="checkbox"/> sp P33165	EFTU_BACFR Elongation factor Tu (EF-Tu) [TUF] [Bactero...	68	2e-11
<input type="checkbox"/> tr Q8A463	Elongation factor Tu [BT2740] [Bacteroides thetaiotaom...	68	2e-11
<input type="checkbox"/> sp Q8Y422	EFTU_LISMO Elongation factor Tu (EF-Tu) [TUF] [Listeri...	66	4e-11
<input type="checkbox"/> sp Q927I6	EFTU_LISIN Elongation factor Tu (EF-Tu) [TUF] [Listeri...	66	4e-11
<input type="checkbox"/> sp Q877T5	EFTU_VIBPA Elongation factor Tu (EF-Tu) [TUFA] [Vibrio...	65	9e-11
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<input type="checkbox"/> sp Q8ZAN8	EFT2_YERPE Elongation factor Tu-B (EF-Tu-B) [TUFB] [Ye...	65	9e-11

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<input type="checkbox"/>	sp	<u>P57966</u>	EFT2_PASMU Elongation factor Tu-B (EF-Tu-B) [TUFB] [Pa...	<u>65</u>	9e-11
<input type="checkbox"/>	sp	<u>Q8ZJB2</u>	EFT1_YERPE Elongation factor Tu-A (EF-Tu-A) [TUFA] [Ye...	<u>65</u>	9e-11
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<input type="checkbox"/>	sp	<u>P57939</u>	EFT1_PASMU Elongation factor Tu-A (EF-Tu-A) [TUFA] [Pa...	<u>65</u>	9e-11
<input type="checkbox"/>	tr	<u>Q7TTF9</u>	Elongation factor tu, EF-Tu [TUFA] [Haemophilus ducreyi]	<u>65</u>	9e-11
<input type="checkbox"/>	tn	<u>AAQ61860</u>	Translation elongation factor Tu (EC 3.6.1.48) [tufB...	<u>65</u>	9e-11
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<input type="checkbox"/>	tn	<u>CAE17102</u>	Elongation factor Tu (EF-Tu) [tufA] [Photorhabdus lu...	<u>65</u>	9e-11
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<input type="checkbox"/>	sp	<u>P21694</u>	EFTU_SALTY Elongation factor Tu (EF-Tu) [TUFA] [Salmon...	<u>65</u>	1e-10
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<input type="checkbox"/>	sp	<u>P02990</u>	EFTU_ECOLI Elongation factor Tu (EF-Tu) (P-43) [TUFA] ...	<u>65</u>	1e-10
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<input type="checkbox"/>	tr	<u>Q8L160</u>	Elongation factor Tu [TUFA] [Myxococcus xanthus]	<u>64</u>	2e-10
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<input type="checkbox"/>	sp	<u>Q8K872</u>	EFTU_STRP3 Elongation factor Tu (EF-Tu) [TUF] [Strepto...	<u>63</u>	3e-10
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<input type="checkbox"/>	sp	<u>Q8KT95</u>	EFTU_RICTY Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KI92</u>	EFTU_RICRI Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KTA3</u>	EFTU_RICRH Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>P48865</u>	EFTU_RICPR Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KTA6</u>	EFTU_RICPA Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KTA1</u>	EFTU_RICMO Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KT99</u>	EFTU_RICHE Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q8KT97</u>	EFTU_RICFE Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>Q92GW4</u>	EFTU_RICCN Elongation factor Tu (EF-Tu) [TUF] [Rickett...	<u>63</u>	3e-10
<input type="checkbox"/>	sp	<u>P30768</u>	EFTU_MYCLE Elongation factor Tu (EF-Tu) [TUF] [Mycobac...	<u>63</u>	3e-10
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<input type="checkbox"/>	tr	<u>Q83NT9</u>	Elongation factor TU-1 [TUFA] [Tropheryma whipplei (st...	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q8E0H1</u>	Translation elongation factor Tu [TUF] [Streptococcus ...	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q8E645</u>	Elongation factor Tu [TUFA] [Streptococcus agalactiae ...	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q8FS84</u>	Putative translation elongation factor EF-Tu [CE0517] ...	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q84DW6</u>	Elongation factor Tu [TUF] [Tropheryma whipplei (Whipp...	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q8KT93</u>	Elongation factor Tu [TUF] [Rickettsia bellii]	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q9RG55</u>	Elongation factor Tu1 [TUF1] [Streptomyces mobaraensis]	<u>63</u>	3e-10
<input type="checkbox"/>	tr	<u>Q933R9</u>	Elongation factor Tu [TUF] [Ureaplasma urealyticum (Ur...	<u>63</u>	3e-10

<input type="checkbox"/>	tn	EAA26256	Elongation factor EF-Tu [rsib_orf.1089] [Rickettsia ...	63	3e-10
<input type="checkbox"/>	tn	AAK58633	Elongation factor Tu [tuf] [Ureaplasma urealyticum (...	63	3e-10
<input type="checkbox"/>	tn	AAK58632	Elongation factor Tu [tuf] [Ureaplasma urealyticum (...	63	3e-10
<input type="checkbox"/>	tn	AAK58631	Elongation factor Tu [tuf] [Ureaplasma urealyticum (...	63	3e-10
<input type="checkbox"/>	sp	P31501	EFTU_MYCTU Elongation factor Tu (EF-Tu) [TUF] [Mycobac...	63	4e-10
<input type="checkbox"/>	sp	Q981F7	EFTU_RHILO Elongation factor Tu (EF-Tu) [TUFA] [Rhizob...	63	5e-10
<input type="checkbox"/>	sp	Q8YHQ4	EFTU_BRUME Elongation factor Tu (EF-Tu) [TUFA] [Brucel...	63	5e-10
<input type="checkbox"/>	tr	Q9F9S8	Eftu [EFTU] [EDTA-degrading bacterium BNC1]	63	5e-10
<input type="checkbox"/>	tr	Q8KHX9	Elongation factor TU [TUFB] [Bartonella henselae (Roch...	63	5e-10
<input type="checkbox"/>	sp	P42480	EFTU_TAXOC Elongation factor Tu (EF-Tu) [TUF] [Taxeoba...	62	7e-10
<input type="checkbox"/>	sp	Q21245	EFTU_RECAM Elongation factor Tu, mitochondrial [TUFA] ...	62	7e-10
<input type="checkbox"/>	sp	Q9JRI5	EFTU_NEIMA Elongation factor Tu (EF-Tu) [TUFA] [Neisse...	62	7e-10
<input type="checkbox"/>	sp	P48864	EFTU_NEIGO Elongation factor Tu (EF-Tu) [TUF] [Neisser...	62	7e-10
<input type="checkbox"/>	sp	Q99QM0	EFTU_CAUCR Elongation factor Tu (EF-Tu) [TUFA] [Caulob...	62	7e-10
<input type="checkbox"/>	sp	Q8R7T8	EFT2_THETN Elongation factor Tu-B (EF-Tu-B) [TUFB] [Th...	62	7e-10
<input type="checkbox"/>	sp	Q8R7V2	EFT1_THETN Elongation factor Tu-A (EF-Tu-A) [TUFA] [Th...	62	7e-10
<input type="checkbox"/>	tr	Q839G8	Translation elongation factor Tu [TUF] [Enterococcus f...	62	7e-10
<input type="checkbox"/>	sp	Q8R603	EFTU_FUSNN Elongation factor Tu (EF-Tu) [TUF] [Fusobac...	62	1e-09
<input type="checkbox"/>	tn	EAA25023	Protein Translation Elongation Factor Tu (EF-TU) [FN...	62	1e-09
<input type="checkbox"/>	sp	O33594	EFTU_STRAU Elongation factor Tu (EF-Tu) [TUF1] [Strept...	61	1e-09
<input type="checkbox"/>	sp	P09591	EFTU_PSEAE Elongation factor Tu (EF-Tu) [TUFA] [Pseudo...	61	1e-09
<input type="checkbox"/>	sp	P18906	EFTU_MYCGA Elongation factor Tu (EF-Tu) [TUF] [Mycopla...	61	1e-09
<input type="checkbox"/>	sp	Q9ZK19	EFTU_HELPJ Elongation factor Tu (EF-Tu) [TUF] [Helicob...	61	1e-09
<input type="checkbox"/>	sp	P29542	EFT1_STRRA Elongation factor Tu-1 (EF-Tu-1) [TUF1] [St...	61	1e-09
<input type="checkbox"/>	sp	Q53871	EFT1_STRCU Elongation factor Tu-1 (EF-Tu-1) [TUF1] [St...	61	1e-09
<input type="checkbox"/>	sp	P40174	EFT1_STRCO Elongation factor Tu-1 (EF-Tu-1) [TUF1] [St...	61	1e-09
<input type="checkbox"/>	tr	Q82DQ0	Putative elongation factor EF-Tu [TUF1] [Streptomyces ...	61	1e-09
<input type="checkbox"/>	tr	Q93T39	Elongation factor Tu [TUF1] [Streptomyces aureofaciens]	61	1e-09
<input type="checkbox"/>	tr	Q9RG53	Elongation factor Tu1 [TUF1] [Streptovercillium netr...	61	1e-09
<input type="checkbox"/>	sp	Q8NL22	EFTU_XANAC Elongation factor Tu (EF-Tu) [TUFA] [Xantho...	61	2e-09
<input type="checkbox"/>	sp	Q8DCQ7	EFTU_VIBVU Elongation factor Tu (EF-Tu) [TUF] [Vibrio ...	61	2e-09
<input type="checkbox"/>	sp	Q8YP63	EFTU_ANASP Elongation factor Tu (EF-Tu) [TUF] [Anabaen...	61	2e-09
<input type="checkbox"/>	sp	P29543	EFT2_STRRA Elongation factor Tu-2 (EF-Tu-2) [TUF2] [St...	61	2e-09
<input type="checkbox"/>	tr	Q7U4D1	Elongation factor EF-Tu (EC 3.6.1.48) [TUFA] [Synechoc...	61	2e-09
<input type="checkbox"/>	tr	Q7UZY7	Elongation factor Tu (EC 3.6.1.48) [TUFA] [Prochloroco...	61	2e-09
<input type="checkbox"/>	tr	Q7V500	Elongation factor Tu, EF-Tu (EC 3.6.1.48) [TUFA] [Proc...	61	2e-09
<input type="checkbox"/>	tr	Q7VA05	Translation elongation factor EF-Tu [TUFB] [Prochloroc...	61	2e-09
<input type="checkbox"/>	tr	Q8DD28	GTPase-translation elongation factor [VV11203] [Vibrio...	61	2e-09
<input type="checkbox"/>	tr	Q9R420	EF-TU [EF-TU] [Porphyromonas gingivalis (Bacteroides g...	61	2e-09
<input type="checkbox"/>	tr	Q9RHI0	EF-Tu [EF-TU] [Porphyromonas gingivalis (Bacteroides g...	61	2e-09
<input type="checkbox"/>	tr	Q9RHI2	EF-Tu [EF-TU] [Porphyromonas gingivalis (Bacteroides g...	61	2e-09

Graphical overview of the alignments

[Click here](#)

to resubmit your query after masking regions matching [PROSITE](#) profiles or [Pfam](#) HMMs

([? Help](#)) (use [ScanProsite](#) for more details about PROSITE matches)

Profile hits		
Pfan hits		
	Matches on query sequence	Matches on hit sequences (sqrt
Submission	1	1 10 20 40 60 90 120 170 230 25
EFTU_HELPY		
EFTU_CLOAB		
EFTU_BACFR		
Q8A463		
EFTU_LISMO		
EFTU_LISIN		
EFTU_VIBPA		
EFTU_RALSO		
EFT2_YERPE		
EFT2_VIBCH		
EFT2_PASMU		
EFT1_YERPE		
EFT1_VIBCH		
EFT1_PASMU		
Q7ITF9		
AAQ61860		
AAQ61848		
CAE17102		
BAC95793		
EFTU_SHIFL		
EFTU_SALTY		
EFTU_ODOSI		
EFTU_NEPOL		
EFTU_HAEIN		
EFTU_ECOLI		
EFTU_CANJE		
Q877L9		
Q8G5B7		
EFTU_STIAU		
Q8L160		
EFTU_UREPA		
EFTU_STRPY		
EFTU_STRPN		
EFTU_STRP8		
EFTU_STRP3		
EFTU_STROR		
EFTU_STRMU		
EFTU_STRCJ		
EFTU_RICTY		
EFTU_RICRI		
EFTU_RICRH		
EFTU_RICPR		
EFTU_RICPA		
EFTU_RICMO		
EFTU_RICHE		
EFTU_RICFE		
EFTU_RICCN		
EFTU_MYCLE		
EFTU_CORGL		
EFTU_BACST		
Q83GM1		
Q83NT9		
Q8E0H1		
Q8E645		
Q8FS84		
Q84DM6		
Q8KT93		
Q9RG55		
Q933R9		
EAR26256		
AAK58633		
AAK58632		
AAK58631		
EFTU_MYCTU		
EFTU_RHILO		
EFTU_BRUME		
Q9F958		
Q8KHX9		
EFTU_TAXOC		
EFTU_RECAM		
EFTU_NEIMA		
EFTU_NEIGO		
EFTU_CAUCR		
EFT2_THETN		
EFT1_THETN		
Q839G8		
EFTU_FUSNN		
EAR25023		
EFTU_STRAU		
EFTU_PSEAE		
EFTU_MYCGA		
EFTU_HELPJ		
EFT1_STRRA		
EFT1_STRCU		
EFT1_STRCO		
Q82DQ0		
Q93T39		
Q9RG53		
EFTU_XANAC		
EFTU_VIBVU		
EFTU_ANASP		
EFT2_STRRA		
Q7U4D1		
Q7UZY7		
Q7V500		
Q7VA05		
Q8DD28		
Q9R420		
Q9RHI0		
Q9RHI2		
Submission	1	

WEST Search History

DATE: Wednesday, November 05, 2003

updated 11/8/03

Set Name Query

side by side

Hit Count Set Name

result s t

DB=USPT; PLUR=YES; OP=AND

L1	eftu or ef-tu or eftub or eftu-b or eftu-a or ef-tu-b or ef-tu-a or eftua or (translation near elongation near factor)	170	L1
L2	L1 same (antisera or antiserum or antibody or antibodies or immune or monoclonal or moab or mab or mono-clonal or polyclonal or poly-clonal or immunoglobulin or igg or igm or iga or siga or ig-g or ig-m or ig-a or monospecific)	7	L2

END OF SEARCH HISTORY

WEST Search History

DATE: Wednesday, November 05, 2003

Set Name Query

side by side

Hit Set
Count Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES;

OP=AND

L1	(translat\$.clm. and elongat\$.clm.) or eftu\$.clm. or ef-tu\$3.clm.	6958	L1
L2	(translat\$.clm. and elongat\$.clm.) or eftu\$.clm. or ef-tu\$3.clm. or (factor.clm. same tu.clm.)	6964	L2
L3	L2 and (1996 or 1997 or 1998 or 1999 or 2000 or 2001 or 2003).pray.	298	L3
L4	L2 not l3	6666	L4
L5	L4 and helicobacter	2	L5
L6	L1 and (pylori or helicobacter).clm.	0	L6
L7	L1 and (n-terminal or nterminal or aminoterminal or (amino near2 terminal)).clm.	3	L7

END OF SEARCH HISTORY

[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**

-
- ☐ 1. 6228886. 22 May 00; 08 May 01. Nutritional formulations containing water-miscible lipid derivatives as antibacterial agents. Anderson; Steven N., et al. 514/547; 514/548. A67K031/225.
-
- ☐ 2. 6136855. 16 Jul 99; 24 Oct 00. Water-Miscible esters of mono- and diglycerides having antimicrobial activity and their use in inhibiting infection. Guzman-Harty; Melinda, et al. 514/546; 514/547 514/560. A01N037/02.
-
- ☐ 3. 6086893. 05 Dec 97; 11 Jul 00. Helicobacter lactoferrin receptor. Dupuy; Monique, et al. 424/234.1; 435/252.1 435/6 435/7.32. A61K039/02.
-
- ☐ 4. 6066669. 16 Apr 99; 23 May 00. Nutritional formulations containing water-miscible lipid derivatives as anti-bacterial agents. Anderson; Steven N., et al. 514/546; 514/547 514/548 514/549 514/558 514/559 514/560. A61K031/22.
-
- ☐ 5. 5981587. 31 Jul 96; 09 Nov 99. Water-miscible esters of mono- and diglycerides having antimicrobial activity and their use in inhibiting infection. Guzman-Harty; Melinda, et al. 514/546; 514/560. A61K031/22 A61K031/20.
-
- ☐ 6. 5958974. 31 Jul 96; 28 Sep 99. Nutritional formulations containing water-miscible lipid derivatives as antibacterial agents. Anderson; Steven N., et al. 514/547; 514/548. A61K031/225.
-
- ☐ 7. 5912372. 29 Jul 97; 15 Jun 99. Water-miscible esters of monoglycerides having antimicrobial activity. Mazer; Terry Bruce, et al. 554/227; 560/190 562/590. C07C053/00 C07C069/52.
-
- ☐ 8. 5908862. 31 Jul 96; 01 Jun 99. Water-miscible esters of mono--and diglycerides having antibacterial activity and their use in inhibiting infection.

Wai Lee; Theresa Siu-Ling, et al. 514/546; 514/547 514/548 514/549
514/558 514/559 514/560. A61K031/22.

☐ 9. 5866606. 02 Jul 97; 02 Feb 99. Nutritional formulations containing water-miscible lipid derivatives as anti-microbial agents. Schaller; Joseph, et al. 514/547; 560/185 560/186 560/187 560/189 560/201. A61K031/20 A61K031/23.

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Terms	Documents
(ling or lissolo).in. and (pylori or pyloris or pyloridis or pylorum or hpylori or helicobacter)	9

[Previous Page](#)[Next Page](#)

WEST Search History

DATE: Wednesday, November 05, 2003

Set Name Query

side by side

DB=USPT; PLUR=YES; OP=AND

L1 (ling or lissolo).in. and (pylori or pyloris or
pyloridis or pylorum or hpylori or
helicobacter)

Hit Count Set Name

result set

9 L1

END OF SEARCH HISTORY

11/5/03 1:43 PM
result set

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2003/Nov W1

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*File 155: Please see HELP NEWS 155 for details about the 2003 reload.

File 5:Biosis Previews(R) 1969-2003/Nov W1

(c) 2003 BIOSIS

*File 5: BIOSIS Previews has been reloaded with major enhancements.

See HELP NEWS005 for more information.

File 34:SciSearch(R) Cited Ref Sci 1990-2003/Oct W4

(c) 2003 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2003/Oct

(c) 2003 ProQuest Info&Learning

File 48:SPORTDiscus 1962-2003/Oct

(c) 2003 Sport Information Resource Centre

File 65:Inside Conferences 1993-2003/Nov W1

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File 71:ELSEVIER BIOBASE 1994-2003/Nov W1

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File 73:EMBASE 1974-2003/Oct W4

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File 91:MANTIS(TM) 1880-2002/Dec

2003 (c) Action Potential

File 94:JICST-Eplus 1985-2003/Nov W1

(c)2003 Japan Science and Tech Corp(JST)

File 98:General Sci Abs/Full-Text 1984-2003/Sep

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File 135:NewsRx Weekly Reports 1995-2003/Oct W4

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*File 135: New newsletters are now added. See Help News135 for the complete list of newsletters.

File 144:Pascal 1973-2003/Oct W4

(c) 2003 INIST/CNRS

File 149:TGG Health&Wellness DB(SM) 1976-2003/Oct W2

(c) 2003 The Gale Group

File 156:ToxFile 1965-2003/Nov W1

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*File 156: Please see HELP NEWS 156 for information regarding the 2003 reload.

File 159:Cancerlit 1975-2002/Oct

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*File 159: Cancerlit ceases updating with immediate effect. Please see HELP NEWS.

File 162:Global Health 1983-2003/Sep

(c) 2003 CAB International

*File 162: Effective May 1, name changes from CAB Health to Global Health.

File 164:Allied & Complementary Medicine 1984-2003/Oct

(c) 2003 BLHCIS

File 172:EMBASE Alert 2003/Nov W1

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File 266:FEDRIP 2003/Sep

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File 369:New Scientist 1994-2003/Oct W4

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File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

*File 370: This file is closed (no updates). Use File 47 for more current information.

File 399:CA SEARCH(R) 1967-2003/UD=13919

(c) 2003 American Chemical Society

*File 399: Use is subject to the terms of your user/customer agreement. Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 1998 Inst for Sci Info

File 444:New England Journal of Med. 1985-2003/Nov W2

(c) 2003 Mass. Med. Soc.

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

11/03
Ref
updated

*File 467: For information about updating status please see Help News467.

Set Items Description

Cost is in DialUnits
?ds

Set	Items	Description
S1	5	'EF-TU'
S2	2	'PROKARYOTIC INITIATION FACTORS'
S3	2837	R1-R8
S4	407	TRANSLATION? (2N) ELONGAT? (2N) FACTOR?
S5	26	'EFTU' OR 'EFTUA'
S6	176	(S1 OR S2 OR S3 OR S4 OR S5) AND ((AMINO OR N) (3N) TERMIN- AL?)
S7	17	S6 AND (ANTIBOD? OR IMMUNE? OR IMMUNOGLOB? OR ANTISER? OR - IGG OR IGA OR IGM OR MONOCLONAL? OR POLYCLONAL? OR MAB OR MOAB OR ANTISER?)
S8	1428	EFTU OR EF-TU OR EFTU?
S9	3952	TRANSLATION? (2N) ELONGAT?
S10	265	(S8 OR S9) AND (ANTIBOD? OR IMMUNE? OR IMMUNOGLOB? OR ANTI- SER? OR IGG OR IGA OR IGM OR MONOCLONAL? OR POLYCLONAL? OR MAB OR MOAB)
S11	159	S10/1996:2003
S12	106	S10 NOT S11
S13	142	S10/1997:2003
S14	123	S10 NOT S13
S15	71	RD (unique items)

?t s15/9/15 21 25 27 29 32 35 39 40 49 50 51 52 53 67 68

15/9/15 (Item 15 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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06302395 89318550 PMID: 2749901

Regulation of the synthesis of total cellular proteins and monoclonal antibodies in a hybridoma cell culture]

Reguliatsiia sinteza summarnykh kletochnykh belkov i monoklonal'nykh antitel v kul'ture gibridomnykh kletok.

Morenkov O S; Mantsygin Iu A; Lezhnev E I

Tsitologiya (USSR) Mar 1989, 31 (3) p324-35, ISSN 0041-3771

Journal Code: 0417363

Document type: Journal Article ; English Abstract

Languages: RUSSIAN

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

A study was made of the regulation of total protein synthesis in cells of the mouse hybridoma producing **monoclonal antibodies** (McAb) against lambda phage, and in the course of hybridoma growth and at the change of fetal bovine serum (FBS) concentration. FBS strictly affected proliferation of hybridoma cells, the specific production of McAb per cell being unchanged. The rate of total cellular protein synthesis does depend on FBS concentration in the medium, whereas the rates of protein degradation and secretion do not. Evidence is presented that the reduction in the protein-synthesis rate, after the removal of FBS from the medium, is caused by a coordinated decrease in both the rate of protein synthesis initiation and the rates of polypeptide chain **elongation** and **translation** termination. The decrease in the protein synthesis rate at the stationary phase of cell growth was shown to be related to the three main factors: 1) a 15-25% decrease in ribosome content per cell; 2) a two-fold decrease of the ribosome portion involved in mRNA translation; 3) a 5 to 15% decrease in the rate of mRNA translation. Evidence is presented that the decrease in the portion of mRNA translating ribosomes is due to the decrease in the rate of protein synthesis initiation.

Tags: Animal

Descriptors: **Antibodies** , **Monoclonal** --biosynthesis--BI; *Hybridomas --metabolism--ME; *Proteins--biosynthesis--BI; Cell Division--drug effects --DE; Culture Media; Dose-Response Relationship, Drug; Hybridomas--cytology